DXpedition News

Cocos Island - TI9 TI2US, TI2CF, and TI2ZM are active from Cocos Island (NA-12) until July 27. On CW, try 25 kHz up. On SSB, try 14195, 21295, or 28495 kHz. QSL corresponding home call.

Kure Island - KH7 Loren KH6LW will be active as **KH6LW/KH7** for two weeks, beginning around July 26. (Exact dates depend on transportation.) He will give CW QSOs on request. QSL to KH6JEB.

Morocco - CN Sylvio F6EEM will be active as **CN2DX** August 10-19, including the WAE CW test Aug. 11-12. Outside the test, he and his wife Florence F6FYP (CN2YL) will be on SSB and RTTY. QSL home calls.

Cayman Islands - ZF Al Dynarski WA6SYK will operate as **ZF2PI/ZF8** from Little Cayman (NA-16) August 20-28. SSB only, 10-80 meters, on the usual DX frequencies (28495, 21295, 14195, 7080, 3795 kHz). QSL to Al's home address: Box 2033, Arnold CA 95223.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Islands On The Air

▪ R.C.Phillips KJ8M will operate as **KJ8M/CØH** from the North Carolina Northern Island group (NA-67) August 12-17. 40-10 meters, CW and SSB. 25 kHz up on CW, and the IOTA frequencies of 14260, 21260, and 28460 kHz on SSB. If time permits, he will operate from the Southern Island group (NA-112) using the call **KJ8M/CØJ**.

▪ **KC4WX/1PØ** will be active from the Isle of Palms, South Carolina (NA-110) for about 12 hours, beginning 1300Z on August 18, on the IOTA SSB frequencies. Operators are N4SFY, N4SZE, N4DRU, and KC4WX. QSL to N4SZE.

▪ **SK3BP/3** will be on from Storjungfrun Island (EU-87) July 27-29, on 10-80 meters, including the new bands. QSL direct or via the bureau to SK3BP. (Thanks DXNS.)

▪ Recent spottings: **VE1ANJ** Campobello Island (NA-14) 21260 1420Z; **FO5DF** Takaroa Island (OC-66) 14010 0730Z; **LA4DM** Karmoy Island (EU-55) 14235 1945Z.

Shortly Noted

▪ UK radio clubs **may** use some special prefixes, as follows: G (England) may use GX; GM (Scotland) may use GS; GW (Wales) may use GC; GI (Northern Ireland) may use GN; GD (Isle of Man) may use GT; GJ (Jersey) may use GH; and GU (Guernsey) may use GP. QSL to the corresponding 'regular' prefix.

▪ **ON4USA/p** will be active 0800Z Sept. 8 to 1600Z Sept. 9, commemorating the 46th anniversary of the liberation of Belgium. Try 40-45 kHz up on CW, and 28490, 21250, 14190, 7060, and 3660 kHz on SSB. QSL to ON5PL, Box 11, B-4800 Verviers 1, Belgium (Thanks LNDX.)

▪ **XJ4G** is a special call from Winnipeg, Manitoba, Canada, until the end of July. QSL to VE4XX.

▪ **JARL** reports that there are now more than 1,000,000 amateur radio stations in Japan! The number of amateur stations in Japan increased by 12% last year.

▪ **GB2RB** will be active August 18-19 at the Robert Burns Memorial Tower, Scotland.

▪ **IG1A** will be on Aug. 4-5, **IH6A** Aug. 16-17, and 20-31, and **IG6A** Aug. 18-19, all by Paul I1RBJ. QSL I1RBJ.

▪ **SSB net** check-ins: **7159 kHz**: J73PB ZK1WL; **14165**: H44AP KA2IJ; **14222**: C56/ON7EH TL8WD ZK1BY JT1BG; **14227**: 3D2AG T3ØBC BV5OC VY2AC V73AZ P29BT AH9AC HSØB H44AP YJ8RN ZS9A YI2LVB 3B9FR; **14256**: 3A2LU; **21335**: ZC4BS OX3SG ZB2CF ZD9CS 7Q7RM C3ØEJA. A French DX net meets at 0800Z Sundays on 28470 kHz. An ability to speak French helps.

▪ **FT4WB** will be on 28470 kHz 07-1100Z.

▪ **RTTY** report: **HKØBKX** is often on 14088 kHz. Among the times he has been logged are 0445Z, 1230Z, and 1600Z. Some active stations: **TJ1MW** 14090 0500Z; **FK8BK** 14074 ARQ 1020Z; **A41KB** 21074 ARQ 1110Z; **ZD9BV** 21090 1650Z; **TU2BB** 21085 1345Z; **TZ6VV** 14091 2250Z; **OD5NG** 14095 0410Z; **TR8JLD** 14082 2110Z; **UT5RP** 14074 ARQ 0510Z **EA8APH** 14075 ARQ 0025Z; **J28TY** 14092 0425Z.

▪ **Johnston Island**: Pete Grillo **AH3C** is back on the island, after a short visit stateside. He is now on the new bands; try 24900, 18073, and 10102 kHz. A new 4-element 40-meter KLM beam should give Pete a good signal on 40; try 7005 kHz. Among the new hams on the island are **KH3AC** (ex-WH3AAC), who prefers 10-meter SSB, **WH3AAD** who likes 15-meter CW, and **WH3AAE** who prefers 40-meter CW. Other active stations on Johnston include **K8CRM/KH3** who is active on the new bands, and **KE2AA/KH3** who likes 20-meter SSB.

▪ **DXCC Note**: The DXCC desk has accepted the documentation for the **7O1AA** operation, but has asked the DX Advisory Committee to determine when the two Yemens merged, to decide if the 7O1AA counts for the new, combined Yemen, or for the old South Yemen. Stand by.

▪ **1990 Survey**: Have you completed and returned your 1990 Most Wanted Countries survey form yet? There is still time to get it in to be counted. Please take a moment to mark and return the form today. And Donica and Amy ask that you put the total number of countries marked in the large oval on the front page. Thanks.

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before			55 Days Before			
July 1990		Date	Flux	A K	Date	Flux	A	K
27	Above Normal	06/30	216	04/07 1	06/02	136	04/08	0
28	Above Normal	07/01	235	06/08 2	06/03	140	05/10	2
29	Above Normal	07/02	252	09/11 1	06/04	142	07/09	1
30	Above Normal	07/03	240	10/11 2	06/05	147	07/10	3
31	High Normal	07/04	224	14/12 4	06/06	155	13/15	3
August 1990								
01	High Normal	07/05	219	10/14 3	06/07	175	21/26	2
02	High Normal	07/06	209	07/09 3	06/08	187	19/21	3
03	High Normal	07/07	204	07/09 2	06/09	198	24/30	3
04	High Normal	07/08	182	10/13 2	06/10	206	12/20	2
05	High Normal	07/09	163	04/07 1	06/11	209	14/14	3
06	High Normal	07/10	157	12/12 3	06/12	219	45/57	6

Propagation Watch

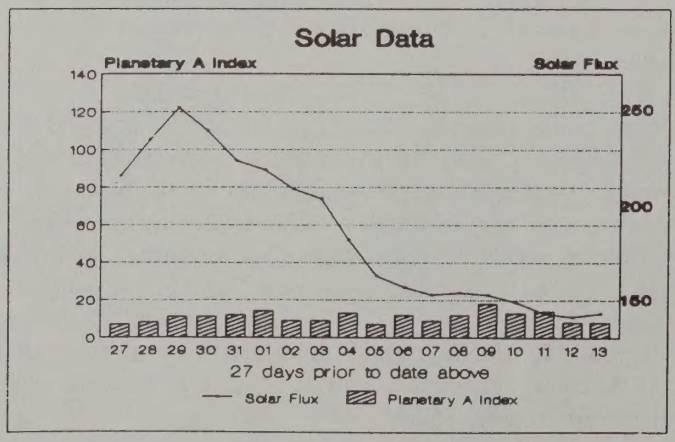
Solar activity continues its 27.5-day cycle. The quiet side of the sun was facing the earth in mid-July, and solar flux dropped below 140. As expected, flux increased as the more active side of the sun rotated in our direction. Look for a peak in solar activity before the end of the July, and a gradual decline into the first part of August.

With the exception of July 19-20 (during the World RadioSport Championship), the geomagnetic field has been very quiet, giving DXers some very good openings. 10 and 12 meters show mainly north-south openings, with a few east-west openings on low-latitude paths. 15 and 17 meters are excellent daytime bands for DX. Check all four of these bands a hour or so **after** local sunset, for long-path openings.

The 20-meter long-path opening around local dawn continues to be one of the best spots to hunt for long-haul DX. Aim your beam to the west or southwest and swing it back and forth to find the direction of strongest signals.

Even 40 meters has shown some openings, as the nights increase in length in the northern hemisphere. Pay particular attention to the low bands after a few days of very low geomagnetic activity.

The probability of a major flare increases as solar activity rises. With the expected peak in activity in the next week, keep an ear on WWV at 18 minutes after the hour (or WWVH at 45 minutes after) for the latest news on flares. In the absence of major flares, propagation during the next week should be very good.



Regulars

▪ **Ascension Island**	ZD8LII	21010	2000Z
▪ **Ascension Island**	ZD8BOB	15M CW	16-2400Z
▪ **China**	BY4RB	14177	1200Z
▪ **Crete**	SV9BAI	15M CW	2200Z
▪ **Hong Kong**	VS6WV	14010	1120Z
▪ **India**	VU2DZ	14178	1050Z
▪ **Kampuchea**	XU8DX	21275	0130Z
▪ **Kerguelen**	FT5XA	14195±	11-1300Z
▪ **Kerguelen**	FT5XH	14200	1130Z
▪ **Lesotho**	7P8DF	14238	1300Z
▪ **Malaysia**	9M2AX	14026	1100Z
▪ **Marion Island**	ZS8MI	14257	1300Z
▪ **Marshall Islands**	V73AZ	14215	1130Z
▪ **Mauritius**	3B8DB	20M CW	1230Z
▪ **Mauritius**	3B8CF	7007	0300Z
▪ **Mauritius**	3B8FU	14195	1230Z
▪ **New Caledonia**	FK8FS	21010	0330Z
▪ **North Cooks**	ZK1BY	14200±	1000Z
▪ **Papua New Guinea**	P29PL	14008	1100Z
▪ **Reunion Island**	FR5DX	21285	13-1600Z
▪ **Rodriguez Island**	3B9FR	14026	1130-1300Z
▪ **San Andreas**	HKØBKX	14020	1120Z
▪ **Seychelles**	S79MX	21325±	1820-2000Z
▪ **Singapore**	9V1YC	14003	12-1400Z
▪ **Solomon Islands**	H44AP	18135±	1200Z
▪ **Sri Lanka**	4S7NE	14005	1200Z
▪ **Tadzhikistan**	RJ8JDV	14010	0100Z
▪ **Turkmenistan**	UH8EA	14180	2330Z
▪ **Tuvalu**	T2ØAA	14029	1020Z
▪ **United Arab Emirates**	A61AD	14190±	1300Z

DX Gatherings

▪ The 58th annual WIMU will be held August 3-5 at the Virginian Lodge in Jackson, Wyoming. Registration is $10 from WIMU '90, P.O.Box 2415, Idaho Falls ID 83404. For more information, contact Doug Smith WA7PYO at (208) 529-1504 (h) or (208) 529-5121 (w). To make hotel reservations, call the Virginian at (800) 262-4999 and mention the convention.

▪ The Radio Society of Great Britain (RSGB) holds their HF Convention Sept. 29-30, at the Penguin Hotel in Daventry. The Saturday DX dinner topic is the UAØ/GB4MSS North Pole 1990 expedition. The Sunday program includes Mats SM7PKK on his Pacific travels, the 3Y5X Bouvet DXpedition by LA1EE. Bhutan A51JS by VK9NS, and much more. The cost of the Saturday dinner is £16, and the Sunday lecture series is £4. Send payment to Steve G4JVG, Penworth, Tokers Green Lane, Tokers Green, Reading RG4 9EB. Rooms at the hotel are £25 per person. Call the hotel at 0327 77333.

▪ The Japan Amateur Radio League will hold Ham Fair '90 at the New Tokyo International Trade Center at Harumi in Tokyo August 24-26. On the DX program will be JF1IST, LA1EE, and LA2GV talking about the **3Y5X** Bouvet DXpedition, and Jim Smith VK9NS on his **A51JS** Bhutan trip. For more information on the Ham Fair, contact the JARL at 14-2 Sugamo 1-chome, Toshima-ku, Tokyo 170, Japan. (Thanks JARL News.)

B . A . N . D . P . A . S . S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.*
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

6Y5KW	21090	1755	14	OH
HKØBKX	14088	0445	19	CA
HKØBKX	14090	1601	17	OH
LY2WW	14086	0318	18	OH
LZ2WO	14082	0400	15	OH
PZ1BS	14088	2336	21	FL
SU1HN	14086	2329	21	FL
TR8JLD	14082	2100	14	CA
UA4FDS	14092	0010	19	CA
VK6AJW	14082	1045	9	OH
VP8BHF	14090	0016	3	FL
YO2IS	14088	0023	10	FL

160 Meters

VK2RS	1832	1157	12	WA
ZK3EKY	1825	1135	11	WA

80 Meters

FK8FS	3505	0922	13	NJ
HZ1AB	3507	0136	19	FL
ZK3EKY	3501	1042	17	AL

75 Meters

UC1AWZ	3794	0028	15	NS
ZK3EKY	3797	1036	16	FL

40 Meters

3B8CF	7007	0248	8	SC
6W6JX	7010	0550	19	MT
T42CW	7002	0040	15	FL
VK9NS	7005	1113	16	AL
VQ9RM	7003	0228	8	NH
Y9ØSOP	7007	2326	7	NB
ZK3EKY	7001	0617	16	FL

30 Meters

3B8CF	10104	0300	9	SC
VK6XA	10106	1210	14	FL

20 Meter CW

3B8DB	14025	1224	16	VA
3B9FR *	14028	1138	21	FL
3D2AG	14017	1116	8	NH
4K3MI	14021	0036	3	NH
4K4QQ	14025	1330	12	UT
4S7CF	14004	0035	12	FL
4S7EA	14009	1034	13	FL
4S7NE *	14004	1152	10	AL
5V7RC	14017	0025	13	IN
7Q7LA	14010	0454	13	MI
7X2AA	14027	0007	8	SC
7X2AA	14024	1450	8	NH
9M2AX	14025	1108	18	MA
9V1JP *	14012	1057	13	NJ
9V1JY	14008	1224	11	NH
9V1YC	14003	1145	16	AL
BV2DA	14025	1411	17	UT
BV2TA	14020	1055	17	OH
BY4RB	14030	1305	13	UT
C56/ ON7EH	14028	0543	16	MT
CN2AQ	14049	0458	19	UT
FH5EJ *	14019	1242	11	AL
FK8DD/P	14016	1053	13	NJ
HKØBKX	14019	0104	10	OK
HKØBKX	14019	1120	14	MA
JD1/ JA9IAX	14012	1034	7	AL
JT1CS	14031	1415	19	UT
JY9SR	14056	1930	14	GA
KA2IJ	14165	1024	12	NY
KG4DD	14030	0044	16	GA
OY1CT	14015	0106	17	AL
P29PL	14008	1054	14	NH
PZ1DW	14051	0752	15	GA
RHØE	14008	2302	14	FL
RJ8JDV	14011	0108	11	FL
T2ØAA	14028	1021	16	NH
TI9CF	14025	2344	21	FL
TU2MA	14025	0220	12	GA
UG6JJ	14003	0216	16	MT
UH8EA	14019	0140	21	FL
V73AZ	14010	1020	11	NH
VQ9QM *	14026	1216	10	AL
VQ9SS	14014	1339	16	MT
VS6WV *	14006	1124	11	AL
VU2LX	14025	1408	17	UT
VU2TTC *	14012	1206	10	AL
YS/N5TP	14026	0157	12	GA
Z21CA	14024	0438	14	MT
ZC4JJ	14011	2022	16	NH
ZD8LII	14028	0017	17	FL
ZK3EKY	14003	0708	8	OH
ZS8MI *	14030	1152	21	FL

20 Meter SSB

3B8AD	14165	1214	12	NY
3B8CA	14195	1218	8	NH
3B8FU *	14201	1225	15	VA
3B9FR	14170	1324	13	FL
3D2CQ	14242	0615	18	IL
4K5ZI	14193	0126	14	MA
7P8DF *	14238	1315	14	MT
9K2IC	14262	2320	12	MI
9M8MG	14200	1255	10	FL
9M8PV	14165	1231	13	NH
9Q5TE	14189	0523	11	CA
A22AA	14215	0518	15	IL
A22AA	14212	1448	9	CA
A61AD	14190	1250	12	CO
BY4RB	14177	1214	16	CO
FK8FR	14195	1055	12	OH
FP/ W5WMU	14236	0829	19	IL
FR4FR	14190	1033	10	NY
FR5DX	14205	0322	14	FL
FR5DX	14196	1135	15	NH
FT4WB	14190	1250	11	MN
FT5XA	14203	1055	12	OH
FT5XH *	14198	1135	13	IL
H44AP	14207	1042	12	FL
HKØEFU	14198	0535	11	GA
HSØAC	14204	1147	19	MD
HSØAC	14160	1344	12	CA
JT1BG *	14199	1210	12	NH
JX7DFA *	14195	1408	7	CA
KH7/ KG6DV	14187	1105	9	PA
OX3SG	14221	0058	13	MA
P29DY	14188	1212	6	WV
S79SC	14168	1220	8	CA
ST4/ WZ6C	14160	0221	19	CA
T2ØAA	14168	1225	8	CA
T32AF	14200	1229	12	NH
TA1AZ	14192	0207	11	MI
TR8CJ	14194	2303	14	IL
TU2PA	14211	0551	15	IL
UH8EA	14187	2339	12	MI
V31SW	14251	0438	19	IL
V51C	14165	1322	13	FL
V51E	14190	0827	14	FL
V63JC	14165	1048	16	WV
V73AZ	14217	1136	19	MD
V85HG	14190	1050	10	FL
VKØCH *	14191	1125	12	NH
VU2DOP	14178	1055	19	OH
YI1BGD	14201	1419	9	CA
ZK1BY	14196	0532	11	GA
ZK1BY	14195	1015	14	VA
ZK3EKY	14212	0648	18	CA
ZS8MI	14257	1245	15	AL
ZS9S	14223	1446	8	CA

17 Meter CW

4S7WP	18078	1855	14	SC
4U1ITU	18072	1700	15	NH
5B4OG	18083	0105	15	SC
CEØZIG	18090	0015	14	SC
EA8AB	18070	0050	14	SC
HZ1AB	18080	0335	11	SC
HZ1HZ	18090	2217	12	SC
OY3QN	18070	1453	13	SC
PZ1DV	18085	0250	9	SC
TF3CW	18084	2346	7	CA
TK5EL	18070	1938	12	SC
TK5LD	18071	1705	15	NH
V31TU	18070	0036	18	OH
VQ9QM	18070	1805	14	SC
YO3CD	18064	0038	10	SC

17 Meter SSB

A92DQ	18150	0145	18	IL
H44AP	18137	0456	7	CA
H44AP	18130	1209	12	NS
P29DY	18150	1205	12	NS
UL7QF	18122	0102	7	NS
VQ9QM	18135	1709	13	VA

15 Meter CW

4K3BB	21017	1450	17	NH
4K4QQ	21025	2350	11	CA
4S7CF	21027	0121	13	NJ
4S7EA	21010	2341	9	FL
5H3TW	21020	0012	6	NH
5R8BS	21025	1810	12	CT
5V7RC	21022	1645	9	NS
5W1KT	21005	0240	8	CA
7Q7LA	21012	0430	8	CA
7X4AN	21004	2336	9	NH
8J9ØXPO	21012	1845	21	GA
A22AA	21040	1542	12	NH
BZ2OK	21020	2346	16	FL
C56/ ON7EH	21004	2000	13	NH
CEØFFD	21009	1928	9	SC
CEØZIG	21009	2344	10	FL
EA9KD	21030	2323	12	NH
FK8DD	21010	0308	19	CA
FK8FS	21010	0330	8	CA
HKØBKX	21016	1525	21	FL
HZ1AB	21020	1434	14	FL
JY9SR	21030	0041	13	FL
JY9SR	21035	2000	14	SC
SV9BAI	21016	2146	17	FL
TA3D	21012	0300	12	CA
TR8JLD	21025	2010	13	SC
UD7ØGF	21027	0430	10	FL
UG6GAW	21012	0240	3	GA
UI9ACQ	21019	0054	10	FL
UI9ACQ	21013	1212	6	OH
UJ8JA	21026	1224	14	FL
V51E	21030	2225	17	FL
V73AS	21031	2119	16	FL
VQ9QM	21029	1500	12	CT
VQ9RB	21092	1740	16	CA
VU2BK	21041	0453	10	NH
VU2SU	21010	0124	11	SC
VU2TTC	21026	1200	6	OH
XX9TDM	21026	0120	13	GA
YN3CC	21025	2316	9	GA
ZD8BOB	21008	1907	9	NB
ZD8CF	21045	2205	8	NH
ZD8CUE	21035	2001	5	OH
ZD8LII	21021	1956	15	GA
ZK1XP *	21004	2230	12	GA
ZK3EKY	21006	0025	10	GA
ZK3EKY	21004	1253	11	CO

15 Meter SSB

4U1UN	21286	2029	7	FL
5H3RF	21316	1813	22	MD
5NØMRD	21347	1543	20	MD
5U7NU	21264	0108	1	WV
5Z4BI	21238	2026	7	FL
6W1QC	21247	2030	22	MD
9V1RC	21227	1547	14	MD
A61AD	21244	2130	4	OH
A92BE	21291	2109	14	MD
BY5RY *	21277	1253	16	FL
BZ1AJ	21275	0042	8	PA
C56/ ON7EH	21297	1054	16	MD
CEØZCD	21260	0217	1	FL
FR5DX	21290	1315	16	FL
FT5XH	21260	1033	17	VA
H44AP	21262	1220	10	NS
HH2CL	21380	0414	14	IL
HH7PV	21329	1751	14	ME
HS1BV	21315	2040	21	MD
HZ1AB	21295	0006	13	VA
JD1/ JA9IAX	21295	1745	10	NH
JT1BV	21294	0242	17	FL
PZ1AR	21236	1416	4	CA
S79MX	21347	1822	22	MD
SV5TS	21306	2050	15	MA
T32AF	21249	1750	10	NY
T5RR	21281	1323	16	FL
TA1AR	21235	0242	12	MD
TA5C	21258	2133	15	MA
TL8SC	21330	2021	14	MD
TR8GL	21273	1455	11	MI
TU2UI	21321	1340	14	MD
TZ6VV	21260	1219	4	WV
UI8ZAA	21313	0220	11	IA
UL7BD	21247	0450	11	CA
V31TU	21226	2030	14	OH
VP2EY	21370	2004	13	MD
VU2GI	21345	0025	12	IA
VU2NR	21292	0123	12	MI
XU8DX	21275	0138	11	NJ
ZD7DP	21293	1645	15	VA
ZD8CU	21298	2344	8	MA
ZK3EKY	21240	1341	12	MD
ZS8MI	21300	1043	17	VA

12 Meters

OD5QX	24945	1702	5	NS

10 Meter CW

5W1KT	28020	2350	14	CA
P29PL	28003	2350	14	CA
ZD8LII	28020	1214	6	AL

10 Meter SSB

5H3TW	28495	1200	14	FL
5KØC	28495	2100	21	MD
5T5SR	28460	2335	6	FL
A22JP	28480	1130	22	NJ
C53GB	28505	1817	22	MD
S79MX	28489	0910	19	NJ
TI9CF	28495	1640	20	NJ
V51BG	28482	0920	19	NJ
V51P	28490	1401	7	PA
ZS6HO	28504	1549	14	CA

6 Meters

CU1EZ	50111	2133	6	NS
CU2/ G3RFS	50110	2100	11	NS

Novice Band

8P6BE	21121	0127	9	FL
EC8AUE	21127	1722	14	FL
XE1VBM	21110	1707	14	FL

The DX Bulletin

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Calendar

Issue 548 - July 27, 1990

(Changes and hot info in boldface.)

Albania - ZA	**by HA5WE etc. soon?**	**I544**
Algeria - 7X	7X4AN 21005 2230Z	I547
Antigua - V2	**AA6OG, NF6H July 30-Aug. 8**	**I547**
Armenia - UG	UG6GAW 21014 0200Z	I547
Ascension - ZD8	ZD8LII 21010 2000Z	I548
	ZD8BOB 15M CW 19-2400Z	I548
Azerbaijan - UD	RD7ØDC 18074 0320Z	I546
Cayman Island - ZF	**ZF2PI/ZF8 Aug. 20-28 SSB**	**I548**
Chagos - VQ9	VQ9QM 18072 1500Z	I546
	VQ9RB 21300± 1700Z	I546
China - BY	**BY4RB 14177 1200Z**	**I548**
Cocos Island - TI9	**Now Active**	**I548**
Crete - SV9	SV9BAI 15M CW 2200Z	I548
Djibouti - J2	J28NU 14014 1330Z	I547
Eastern Malaysia - 9M	9M8MG 14220/12Z 9M8PV 14175/11Z	
Gabon - TR	TR8GL 14196 22-2400Z	I547
Grosse-Ile - VE2	**CIØGI July 26-31 New One?**	**I547**
Hong Kong - VS	**VS6WV 14010 1120Z**	**I548**
Iceland - TF	**DLs/TF July 27-Aug. 24**	**I545**
India - VU	VU2ZAP 21008/0145Z	I547
	VU2DZ 14178 1050Z	I548
Jordan - JY	JY9SR 21032 01-0200Z	I547
Kampuchea - XU	XU8DX 21275 0130Z	I548
Kerguelen - FT/X	FT5XH 14200 11-1200Z	I548
	FT5XA 14195 11-1300Z	I548
Kure Island - KH7	**KH6LW/KH7 July 26-Aug. 8**	**I548**
Kuwait - 9K	9K2CS 15M SSB 2330Z	I547
	9K2YA 14250 1400Z	I547
Lesotho - 7P	**7P8DF 14238 1300Z**	**I548**
Malawi - 7Q	7Q7RM 14035-40 12-1300Z	I547
Malaysia - 9M	9M2AX 14026 1100Z	I548
Marion Island - ZS8	ZS8MI 14257 1300Z	I548
	14256 1130Z Sundays	I542
Market Reef - OHØM	**July 26-Aug. 2**	**I546**
Marshall Island - V7	V73AZ 14200, 20M CW 11-13Z	I548
Mauritius - 3B	3B8CF 7007 0300Z	I548
	3B8DB 20M CW 1230Z	I548
Mayotte - FH	FH5EJ 14019 1230Z	I547
Micronesia - V6	V63JA 14025 10-1400Z	I546
Minami Torishima	JA9IAX/JD1 back	I544
Mongolia - JT	JT1BS 20M CW 1400Z	I546
Morocco - CN	**CN2DX/YL Aug. 10-19**	**I548**
Nauru - C2	C21DX 21028 0300Z	I547
New Caledonia - FK	**FK8FS 21010 0330Z**	**I548**
Norfolk Island - VK9	VK9NX Aug. 22-28	I547
North Cooks - ZK	**ZK1BY 14200± 1000Z**	**I548**
Ogasawara - JD	KA2IJ 14165 10-1200Z	I546
Palau - KC6	by JAs Sept. 12-16	I545
Palmyra - KH5	**AA6LF/KH5 July 22-29**	**I545**
Papua New Guinea - P2	P29PL 14008 1100Z	**I548**
	P29BY 20M SSB 10-1100Z	I547
Reunion Island - FR	FR5DX 21285 13-1600Z	**I548**
Rodriguez Island - 3B9	**3B9FR 14026 1130-1300Z**	**I548**
St. Helena - ZD7	ZD7KM 21023 1930Z	I547
San Andreas - HK0	**HK0BKX 14020 1120Z**	**I548**
Seycelles - S7	**S79MX 21325± 1820-2000Z**	**I548**
Sierra Leone - 9L	9L1US 21327 1900Z Sunday	I547
Singapore - 9V	9V1XQ 20M SSB 1030Z	I547
	9V1YC 14003 12-1400Z	**I548**
Solomons - H4	H44AP 18135± 1200Z	**I548**
South Sandwich - VP8	Nov. 20-Dec. 13 VP8SSI	I545
Sri Lanka - 4S	4S7CF 20M CW 12Z 21005 0130Z	I547
	4S7NE 14005 1200Z	**I548**
Tadzhikistan - UJ	**RJ8JDV 14010 0100Z**	**I548**
Tanzania - 5H	5H3TW 14020 1200Z	I547
Thailand - HS	**HSØILY July 27-29**	**I547**
Tokelau - ZK3	ZK3EKY 21005 1300Z	I546
Tonga - A3	**A35s AU QC UN July 30-Aug. 2**	**I547**
Turkmenistan - UH	**UH8EA 14180 2330Z**	**I548**
Tuvalu - T2	**T2ØAA 14029 1020Z**	**I548**
United Arab Emirates	A61AD **14190± kHz at 1300Z**	**I548**
Uzbekistan - UI	UI8ZAA 21300± 01-0300Z	I546
	UI8ZAC 21280± 0200Z	I546
Zaire - 9Q	9Q5TE 14200 0500Z	I546

Contributors

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